

L Number	Hits	Search Text	DB	Time stamp
1	1682	83/332,346,345,370,912,678.ccls.	USPAT	2004/01/14 17:33
2	1682	83/332,346,345,370,912,678.ccls.	USPAT	2004/01/14 17:33
3	913	83/332,346,345,370,912,678.ccls.	USOCR	2004/01/14 17:33
4	518	83/448,500,508.3,666.ccls.	USOCR	2004/01/14 17:34
5	866	83/448,500,508.3,666.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/14 17:34
6	716	493/365,368,367,370.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/14 17:34
7	498	493/365,368,367,370.ccls.	USOCR	2004/01/14 17:34
9	74	83/448,500,508.3,666.ccls. and cut\$4 and (notch or groove) and (wheel or disc)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/14 17:38
10	43	493/365,368,367,370.ccls. and cut\$4 and (notch or groove) and (wheel or disc)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/14 17:39
12	56	83/448,500,508.3,666.ccls. and cut\$4 and (notch or groove) and (wheel or disc)	USOCR	2004/01/14 17:39
13	101	493/365,368,367,370.ccls. and cut\$4 and (notch or groove) and (wheel or disc)	USOCR	2004/01/14 17:39
8	157	83/332,346,345,370,912,678.ccls. and cut\$4 and (notch or groove) and (wheel or disc)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/14 17:40
11	164	83/332,346,345,370,912,678.ccls. and cut\$4 and (notch or groove) and (wheel or disc)	USOCR	2004/01/14 18:49
-	0	cut\$4 adj mailpieces	USPAT; US-PGPUB	2003/04/04 16:51
-	41	cut\$4 same mailpieces	USPAT; US-PGPUB	2003/07/21 15:00
-	518	271/149	USPAT; US-PGPUB	2003/04/04 17:31
-	5	271/149 and cut\$4 and mailpieces	USPAT; US-PGPUB	2003/04/04 17:32
-	5	271/149 and cut\$4 and mailpiece	USPAT; US-PGPUB	2003/04/04 17:32
-	1	6250625.URPN.	USPAT	2003/04/04 17:41
-	9	("4615519" "4817368" "5083769" "5116039" "5119954" "5464099" "5934666" "5947461" "6164640").PN.	USPAT	2003/04/04 18:22
-	10	5464099.URPN.	USPAT	2003/04/04 18:04
-	116	229/314	USPAT; US-PGPUB	2003/04/04 18:28
-	56	229/314 and cut\$4	USPAT; US-PGPUB	2003/04/04 18:28
-	4	mailpiece and jog\$4 and cut\$4	USPAT; US-PGPUB	2003/07/18 13:22
-	885	open\$3 adj (mailpiece or envelope) and cut\$4	USPAT; US-PGPUB	2003/04/07 12:29
-	24	open\$3 adj (mailpiece or envelope) and jog\$4 and cut\$4	USPAT; US-PGPUB	2003/04/07 12:37

-	0	(perforat\$ adj (mailpiece or envelope)) and jog\$4	USPAT; US-PGPUB	2003/04/07 12:39
-	75	(perforat\$ adj (mailpiece or envelope))	USPAT; US-PGPUB	2003/04/07 12:48
-	27	perforat\$ same mailpiece	USPAT; US-PGPUB	2003/04/07 12:52
-	0	(perforat\$ adj device) same mailpiece	USPAT; US-PGPUB	2003/04/07 12:54
-	0	(perforat\$ adj device) same (mailpiece or envelope)	USPAT; US-PGPUB	2003/04/07 13:01
-	32	(perforat\$ or cutter) same (mailpiece or envelope)	USPAT; US-PGPUB	2003/04/07 13:03
-	33	(perforat\$ or punch\$3) same (mailpiece or envelope)	USPAT; US-PGPUB	2003/04/07 13:06
-	1672	(perforat\$ or punch\$3) adj sheets	USPAT; US-PGPUB	2003/04/07 13:06
-	0	(perforat\$ or punch\$3) adj sheets and (cut\$4 adj wheel) same notch	USPAT; US-PGPUB	2003/04/07 13:07
-	149436	perforat\$ or punch\$3 adj envelope and (cut\$4 adj wheel) same notch	USPAT; US-PGPUB	2003/04/07 13:08
-	149436	perforat\$ or punch\$3 adj envelope and (cut\$4 adj wheel)	USPAT; US-PGPUB	2003/04/07 13:08
-	0	(perforat\$ or punch\$3) adj envelope and (cut\$4 adj wheel)	USPAT; US-PGPUB	2003/04/07 13:08
-	10	(perforat\$ or punch\$3) adj sheet and (cut\$4 adj wheel)	USPAT; US-PGPUB	2003/04/07 13:20
-	0	(cutter adj (wheel or roll)) and perforat\$3 and notch and envelope	USPAT; US-PGPUB	2003/04/07 14:12
-	21	(cutter adj (wheel or roll)) and perforat\$3 and notch	USPAT; US-PGPUB	2003/04/07 14:22
-	200	83/912	USPAT; US-PGPUB	2003/04/07 14:40
-	689	83/912 envelope and mailpiece	USPAT; US-PGPUB	2003/04/07 14:43
-	1202	83/912 envelope and mailpiece ond perforat\$3 and (cut\$4 adj wheel)	USPAT; US-PGPUB	2003/04/07 14:42
-	1003	envelope and mailpiece ond perforat\$3 and (cut\$4 adj wheel)	USPAT; US-PGPUB	2003/04/07 15:14
-	1	(envelope and mailpiece ond perforat\$3 and (cut\$4 adj wheel)) and 83/912	USPAT; US-PGPUB	2003/04/07 14:42
-	0	83/912 and envelope and mailpiece	USPAT; US-PGPUB	2003/04/07 14:43
-	9	83/912 and envelope and (cut\$4 adj wheel)	USPAT; US-PGPUB	2003/04/07 14:44
-	1	5924840.URPN.	USPAT	2003/04/07 14:46
-	1	5924840.URPN.	USPAT	2003/04/07 14:47
-	28	(mailpiece or envelope) and jog\$4 and cut\$4 and (biological or chemical or powder)	USPAT; US-PGPUB	2003/04/07 15:27
-	26121	(mailpiece or envelope) and (biological or chemical or powder)	USPAT; US-PGPUB	2003/04/07 15:28
-	0	(mailpiece or envelope) and (biological or chemical or powder) and (cut\$4 adj wheel) and jog\$4	USPAT; US-PGPUB	2003/04/07 15:29
-	57	(mailpiece or envelope) and (biological or chemical or powder) and jog\$4	USPAT; US-PGPUB	2003/04/07 15:31
-	0	mailpiece and jog\$4 and cut\$4 and (biological or chemical)	USPAT; US-PGPUB	2003/04/07 15:32
-	0	mailpiece and jog\$4 and powder	USPAT; US-PGPUB	2003/04/07 15:32
-	14	(envelope or mailpiece) and jog\$4 and powder	USPAT; US-PGPUB	2003/04/07 15:35
-	32	(envelope or mailpiece) and jog\$4 and vacuum and compression	USPAT; US-PGPUB	2003/04/07 15:36
-	104	(envelope or mailpiece) and jog\$4 and vacuum	USPAT; US-PGPUB	2003/04/07 15:46
-	159	perforat\$4 and disk and (cut\$4 adj edge) and sheet	USPAT; US-PGPUB	2003/07/18 19:57
-	6	perforat\$4 and disks and nip and (cut\$4 adj edge) and sheet	USPAT; US-PGPUB	2003/07/18 19:45

-	162	perforat\$4 and disks and nip	USPAT;	2003/07/18
-	352	83/678	US-PGPUB	14:07
-	8	"3978753"	USPAT;	2003/07/18
-	1	6063094.URPN.	US-PGPUB	16:19
-	13	("2582511" "3364920" "4038986" "4098278" "4665915" "4690139" "4917086" "5004468" "5209755" "5219352" "5306279" "5873881" "6063094").PN.	USPAT	2003/07/18
-	1	6063094.URPN.	USPAT	16:24
-	6	("3470782" "3866497" "3978752" "3978753" "5196020" "5219352").PN.	USPAT	2003/07/18
-	6	3978753.URPN.	USPAT	16:25
-	3	("3067643" "3152501" "3408735").PN.	USPAT	2003/07/18
-	10	3152501.URPN.	USPAT	18:19
-	4	5029506.URPN.	USPAT	2003/07/18
-	7	("3152501" "3677122" "3760671" "3777610" "3908499" "3988976" "4667552").PN.	USPAT	16:26
-	2957	perforat\$4 and disk and cut\$4 and sheet	USPAT;	2003/07/18
-	58	perforat\$4 same disk same cut\$4 same sheet	US-PGPUB	16:48
-	39	perforat\$4 and castellat\$3 same edge	USPAT;	2003/07/18
-	3	4167991.URPN.	US-PGPUB	16:50
-	5	("2456488" "3152480" "3830347" "3907080" "4036358").PN.	USPAT;	2003/07/18
-	6	3978752.URPN.	US-PGPUB	20:00
-	0	6035753.URPN.	USPAT	2003/07/18
-	10	("0526347" "3463039" "3554070" "3978752" "3978753" "4699035" "4745835" "4805502" "5029506" "5174184").PN.	USPAT	2003/07/18
-	7	3463039.URPN.	USPAT	17:28
-	1	5868057.URPN.	USPAT	2003/07/18
-	21	("0371736" "1441708" "1710142" "2266958" "2401310" "2799930" "2825407" "2842202" "2973578" "3120777" "3147658" "3205750" "3394866" "3427912" "3463039" "3813977" "3860158" "4706533" "5117721" "5448833" "5492041").PN.	USPAT	2003/07/18
-	3	5117721.URPN.	USPAT	17:36
-	4	("1177057" "1712034" "2842202" "5022299").PN.	USPAT	2003/07/18
-	0	cut\$4 adj edge same width same preforat\$4 same notch	USPAT	17:39
-	0	(cut\$4 adj edge) same width same preforat\$4 same notch	USPAT	2003/07/18
-	0	(cut\$4 adj edge) same preforat\$4 same notch	USPAT	18:19
-	1399	(cut\$4 adj edge) same notch	USPAT	2003/07/18
-	35	(cut\$4 adj edge) same notch same perforat\$	USPAT	18:20
-			USPAT	2003/07/18
-				18:22

-	104	(cut\$4 adj edge) same (notch or slot) same perforat\$	USPAT	2003/07/18 18:23
-	104	(cut\$4 adj edge) same (notch or slot) same perforat\$	USPAT	2003/07/18 19:55
-	5	4444080.URPN.	USPAT	2003/07/18 18:40
-	6	("0461600" "2870840" "3709077" "3828637" "4010666" "4370908").PN.	USPAT	2003/07/18 18:40
-	104	(cut\$4 adj edge) same (notch or slot) same perforat\$	USPAT	2003/07/18 18:59
-	254	(cut\$4 adj edge) same (notch or slot) same (disk or wheel)	USPAT	2003/07/18 19:01
-	0	envelop same proforat\$4 same slot same (disk or wheel)	USPAT	2003/07/18 19:02
-	0	envelop same preforat\$4 same slot same (disk or wheel)	USPAT	2003/07/18 19:02
-	1	preforat\$4 same slot same (disk or wheel)	USPAT	2003/07/18 19:03
-	6859	envelop	USPAT	2003/07/18 19:03
-	9	envelop same cut\$4 same (disk or wheel)	USPAT	2003/07/18 19:06
-	0	(disk or wheel) same (sheet or paper) and perforat\$4 and (cut\$4 adj edg)	USPAT	2003/07/18 19:08
-	3023	(disk or wheel) same (sheet or paper) and perforat\$4	USPAT	2003/07/18 19:08
-	8	(disk or wheel) same (sheet or paper) and perforat\$4 same slot same punch	USPAT	2003/07/18 19:11
-	7	3602080.URPN.	USPAT	2003/07/18 19:10
-	4	("3106859" "3175443" "3194095" "3334533").PN.	USPAT	2003/07/18 19:11
-	110	(disk or wheel) same (sheet or paper) and perforat\$4 same punch	USPAT	2003/07/18 19:36
-	4	4166613.URPN.	USPAT	2003/07/18 19:19
-	2	("2261315" "2769496").PN.	USPAT	2003/07/18 19:19
-	4	"5117721"	USPAT	2003/07/18 19:44
-	6	5537905.URPN.	USPAT	2003/07/18 19:37
-	8	("2361288" "2401310" "2731902" "3411208" "3824887" "4829854" "5117721" "5240755").PN.	USPAT	2003/07/18 19:37
-	11	5240755.URPN.	USPAT	2003/07/18 19:38
-	7	("2264339" "3892901" "3920122" "4889731" "4925716" "4951967" "5114771").PN.	USPAT	2003/07/18 19:39
-	10	4951967.URPN.	USPAT	2003/07/18 19:41
-	8	("2176815" "2343119" "2700556" "2775448" "2782056" "3228710" "3343851" "3809410").PN.	USPAT	2003/07/18 19:42
-	1	perforat\$4 and disks and nip and (cut\$4 adj edge) and sheet	USOCR	2003/07/18 19:45
-	12	perforat\$4 and disks and nip and cut and punch	USOCR	2003/07/18 19:46
-	728	(cut\$4 adj edge) same (notch or slot) same perforat\$	USOCR	2003/07/18 19:50
-	16	"3554070"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT	2003/07/18 19:50
-	0	6289777.URPN.	USPAT	2003/07/18 19:52
-	7	4228735.URPN.	USPAT	2003/07/18 19:52

-	12	("0010001" "2683409" "3068788" "3106121" "3203292" "3431847" "3524922" "3554070" "3583269" "3593987" "3611921" "4044666").PN.	USPAT	2003/07/18 19:53
-	36	(cut\$4 adj edge) same (notch or slot) same perforat\$	USOCR	2003/07/18 19:55
-	29	perforat\$4 and disk and (cut\$4 adj edge) and sheet	USOCR	2003/07/18 19:58
-	93	perforat\$4 and castellat\$3 same edge	USOCR	2003/07/18 20:02
-	39	perforat\$4 and castellat\$3 same edge	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/18 20:02
-	10	4521309.URPN.	USPAT	2003/07/18 20:05
-	2	("3457339" "4104170").PN.	USPAT	2003/07/18 20:06
-	5	4444080.URPN.	USPAT	2003/07/21 14:32
-	0	(perforat\$4 or punch\$4) and (sheer adj cut\$4) and rollers and notch	USPAT; US-PGPUB	2003/07/21 15:02
-	2402	(perforat\$4 or punch\$4) and rollers and notch	USPAT; US-PGPUB	2003/07/21 15:03
-	88	(perforat\$4 or punch\$4) same rollers same notch	USPAT; US-PGPUB	2003/07/21 15:24
-	9	4068366.URPN.	USPAT	2003/07/21 15:15
-	9	4068366.URPN.	USPAT	2003/07/21 15:17
-	4	("0716052" "1166888" "2266552" "3293725").PN.	USPAT	2003/07/21 15:17
-	1228	(perforat\$4 or punch\$4) same rollers same notch	USOCR	2003/07/21 15:29
-	101	(perforat\$4 or punch\$4) same rollers same notch	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/21 15:25
-	27	(perforat\$4 or punch\$4) same rollers same notch same shear same cut\$4	USOCR	2003/07/21 15:36
-	30	(perforat\$4 or punch\$4) same rollers same notch same shear and cut\$4	USOCR	2003/07/21 15:39
-	1	(perforat\$4 or punch\$4)adj wheel same shear same cut\$4 same notch	USOCR	2003/07/21 15:40
-	0	((perforat\$4 or punch\$4)adj wheel) same shear same cut\$4 same notch	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/21 15:40
-	7	(perforat\$4 or punch\$4)adj wheel same shear same cut\$4	USOCR	2003/07/21 15:42
-	1	(perforat\$4 or punch\$4)adj wheel same shear same cut\$4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/21 15:44
-	379	(perforat\$4 or punch\$4)adj wheel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/21 15:44
-	0	(perforat\$4 or punch\$4) adj wheel same shear same notch	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/07/21 15:45

-	0	(perforat\$4 or punch\$4) adj wheel same sheer and notch	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/07/21 15:45
-	379	(perforat\$4 or punch\$4) adj wheel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/07/21 18:15
-	6	3978752.URPN.	USPAT	2003/07/21 16:17
-	131658	83/332 or 83/346 or 83/345 or "368" or 83/370	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/07/21 18:14
-	24	(83/332 or 83/346 or 83/345 or "368" or 83/370) and (perforat\$4 or punch\$4) adj wheel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/07/21 18:16
-	36102	429/\$.CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/07/21 18:16
-	0	429/\$.CCLS. and (perforat\$4 or punch\$4) adj wheel	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/07/21 18:16
-	3381	429/\$.CCLS. and (perforat\$4 or punch\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/07/21 18:16
-	86	429/\$.CCLS. and (perforat\$4 or punch\$4) AND NOTCH	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/07/21 18:17
-	3	ghassem near2 alie	USPAT; US-PGPUB	2003/07/22 12:57
-	26	phong near2 nguyen	USPAT; US-PGPUB	2003/07/22 12:59